

## **Abstract**

The invention provides a structure and method of its use comprising a filtering and interference suppression device (62), particularly of the broad band type, for an electric motor (34) comprising at least a first powering brush (16) for an armature commutator of the electric motor (34), of the type comprising a capacitor (64), one terminal of which is electrically connected to a strip conductor (38) that electrically powers the first brush (16) powering the armature commutator of the electric motor (34), and the other terminal of which is electrically connected to a ground strip conductor (58), connected, in turn, to the electrical ground (60) of the electric motor (34), characterized in that the capacitor (72) of the filtering and interference suppression device (62) is of the non-inductive type, and in that each of the non-inductive capacitors (72) is directly attached to a circuit board (73) comprising strip conductors, of which are at least one powering strip conductor (38, 40) for a brush and one ground strip conductor (58).

Printed: March 2, 2004 (8:49am)

Y:\Clients\X2YA\X2YA0041\X2YA0041UUS\Drafts\Spec\_040232.wpd